

2-d oxy-isoguanosin s isot ric analogu s and isoguanosin containing oligonucl otides

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Abstract

2'-Deoxyisoguanosine, isosteric analogues and isoguanosine derivatives of formulae I-V, processes for their production via compounds of the general formulae a or b and reaction with aroyl isocyanates or from compounds of the general formulae VI-IX by photochemical irradiation. A further production process is the conversion of deoxyguanosines or guanosines by means of persilylation, reaction with ammonia and deamination in the 2 position. The compounds are suitable as pharmaceutical agents with antiviral efficacy.

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